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INTELLECTUAL PROPERTY****APR 06 2006****Transmittal Cover Sheet**

From: ATC, Intellectual Property Dept. **Tel:** 724.337.4726 **E-Mail:** harry.hildjr@alcoa.com

To:	Fax No:	Company:	Phone No.:
U.S. PTO	571-273-8300	U.S. PTO	

File No.: 06-0262

Re: U.S. Serial No.: 10/612,866

Title: Control of Oxide Growth on Molten Aluminum During Casting Using a High
Moisture Atmosphere

Examiner: Len Tran

Art Unit: 1725

Date: April 6, 2006

No. Pages: Including Cover Sheet 12

Notes: Please find enclosed the following:

A Response and Amendment having 10 pages

A Fcc Transmittal having 1 page

PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006, OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no burdens are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	(\$)	200.00
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Complete if Known

Application Number	10/612,866
Filing Date	July 2, 2003
First Named Inventor	Paula L. Kolek, et al.
Examiner Name	Len Tran
Art Unit	1725
Attorney Docket No.	02-2453

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METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: 50-1561 Deposit Account Name: Greenberg Traurig

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

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Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fees Paid (\$)
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEESFee Description

Each claim over 20 (including Reissues)

Small EntityFee (\$)

50 25

Each independent claim over 3 (including Reissues)

200 100

Multiple dependent claims

360 180

Total Claims Extra Claims Fee (\$) Fee Paid (\$) Multiple Dependent Claims- 20 or HP = _____ x _____ = _____ Fee (\$) Fee Paid (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)4 - 3 or HP = 1 x 200.00 = 200.00 Fee (\$) Fee Paid (\$)

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)

- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

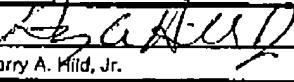
4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)

Other (e.g., late filing surcharge): _____

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 51,803	Telephone 724-337-4726
Name (Print/Type)	Harry A. Kild, Jr.		Date April 6, 2006

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Serial Number: 10/612,866
 Filing Date: 7/2/03
 Docket No.: 02-2453

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Paula L. Kolek, et al.
 Group Art Unit: 1725
 Confirmation No.: 4386
 For: Control of Oxide Growth on Molten
 Aluminum During Casting Using a
 High Moisture Atmosphere

) Examiner: Len Tran
) Serial No.: 10/612,866
) Atty. Docket No.: 02-2453
) Filed: July 2, 2003

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RESPONSE AND AMENDMENT

April 6, 2006

Mail Stop - AMENDMENT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated January 6, 2006, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims that begin on page 2 of this paper.

Remarks begin on page 7 of this paper.

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any document referred to as being attached or enclosed) is being:

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Kimberly S. Merichko

Kimberly S. Merichko

(Signature of person mailing paper or fee)